

Multiviewer for Stream Monitoring and Analysis Datasheet



The BOSS STREAM Viewer™ is a software-based multiviewer to monitor uncompressed video signals in SD or HD, DVB over IP or ASI and OTT-formats like HLS, MPEG-Dash and ICECAST side by side.

Today the large number of different distribution channels are a challenge. Furthermore there is the need for 24 hours monitoring and reliable visualization of alarms. The BOSS STREAM Viewer™ provides you a tool to monitor and analyse your signals in just one multiviewer.

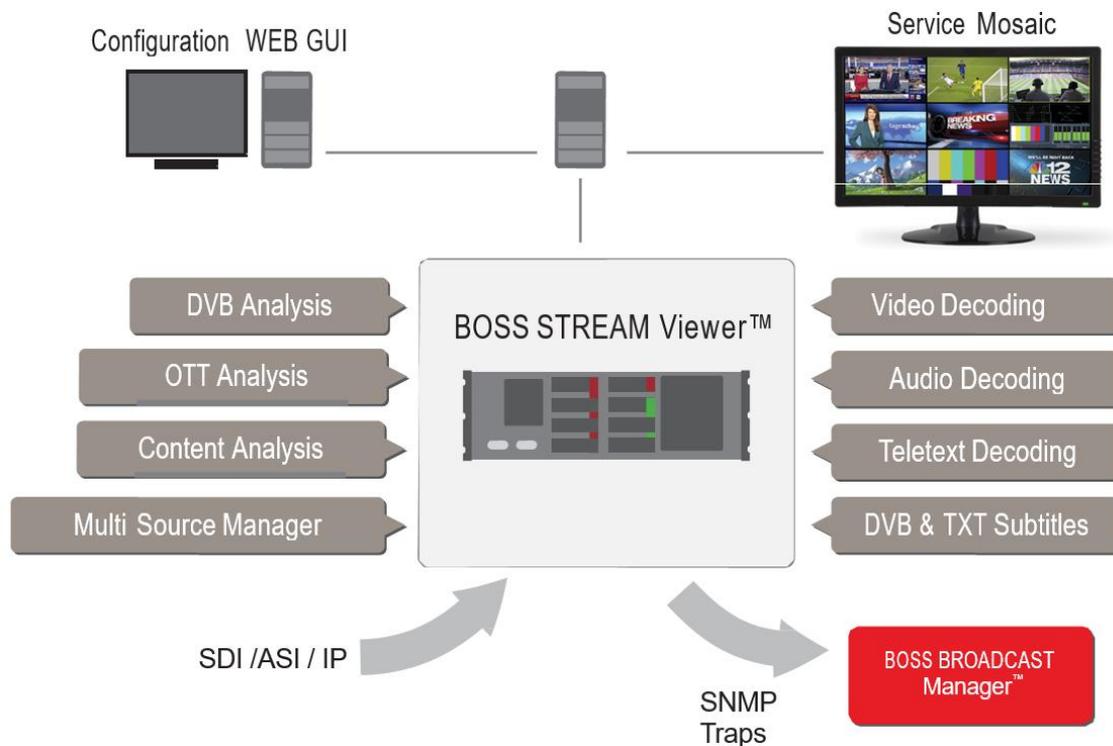
The BOSS STREAM Viewer™ performs a real-time analysis of DVB subtitles, teletext, teletext subtitles and a visual alarm notification in case of failure.

The BSV™ is also capable of notifying errors to third party systems like the BOSS BROADCAST Manager, based on the Simple Mail Transfer Protocol (SMTP). Depending on your requirements you can switch between different screen designs in conjunction with the BOSS BROADCAST Manager.

The BOSS STREAM Viewer™ is suitable for use in compression, playout, and transmission centers, for DVB, OTT and IPTV headends, as well as for network operation centers and IPTV distribution networks. The multiviewer can be integrated into the existing infrastructure as it operates on standard server hardware.

BUSINESS BENEFITS

- Monitor uncompressed video signals in SD and HD, DVB and OTT-formats on one screen
- Analyse your DVB signals in real-time
- Configure different screen designs and alarm notifications
- Switch between different screen designs
- Operates on standard server hardware





Labels and Overlays

- Configure and position labels. In case of an error a label changes its colour
- Use labels to monitor for example AIT and DSM-CC (HbbTV)
- Monitor DVB subtitles and teletext as transparent overlay or by the use of labels

Pop-up alarm notifications and EIT

- Visualize errors with pop-up alarm notifications
- Notify errors to 3rd party systems
- Show the title and progress of the present event and the title of the subsequent service
- Show audio bars as overlay or beside the screen

Design your screen

- Show classic signals and OTT content on one screen
- Save different screen designs and switch between them
- Switch between different screen designs automatically in conjunction with the BOSS BROADCAST Manager

Decoding	The BOSS STREAM Viewer™ supports the video codecs MPEG-2, H.264, H.265 and VC-1 and all common audio formats, such as MPEG-1 Layer 2, HE-AAC, AC-3 and E-AC3.
Transport Protocols	HLS, MPEG-DASH and ICECAST
DVB Transport Layer Analysis	The BOSS STREAM Viewer™ analyses the PID, PMT, SDT, EIT, VBI, WSS and VPS. Detected errors can be visualized and communicated to 3rd party systems. The BSV™ can automatically detect program labels and dynamically following the PMT (Program Map Table) for regionalization.
DVB Content Analysis	All DVB input signals are analysed for video freeze, video black, audio silence, audio overload, audio constant and signal loss. The BSV also performs a real time analysis of DVB subtitles, teletext, teletext subtitles and a visual alarming in case of failure.

About Dimetis

Streamlining Operations – For over 18 years Dimetis has developed world-class tools for Media Workflow Automation, Video Workflow Orchestration, Post Production Workflow, NFV/SDN Orchestration and much more. Dimetis is a truly agnostic vendor, interfacing and working with all vendors, hardware or software.

The Dimetis global installed base of customers include such broadcasters as ARD and ZDF in Germany, as well as RAS and Rai Way in Italy and network operators AT&T, A1 Telekom Austria GlobeCast France, GTT (USA & Europe), Telstra Australia, and Telenor Norkring Norway.

Dimetis is a member of the SVG (Sport Video Group), Intel Network Builders, TMF, IETF, ETSI NFV, EBU, IABM, FKTG & SMPTE bodies, which are dedicated to defining functional requirements and standards for the next generation networks and emerging architectures.

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